



UNITED STATES MARINE CORPS  
2d Marine Division, Fleet Marine Force  
Camp Lejeune, North Carolina 28542-5500

IN REPLY REFER TO  
11000  
G-4 ENGR

to  
25 MAR 86

From: Commanding General, 2d Marine Division, FMF  
To: Commanding General, Marine Corps Base, Camp Lejeune, North Carolina (Attn: AC/S Facilities)

Subj: ENVIRONMENTAL ENHANCEMENT/IMPACT REVIEW BOARD

Ref: (a) BO 11000.1B  
(b) PHONCON btwn DivEngrO and Base Environmental Officer of 24 Jan 86

Encl: (1) Preliminary Environmental Assessment, Mechanized Movement Course

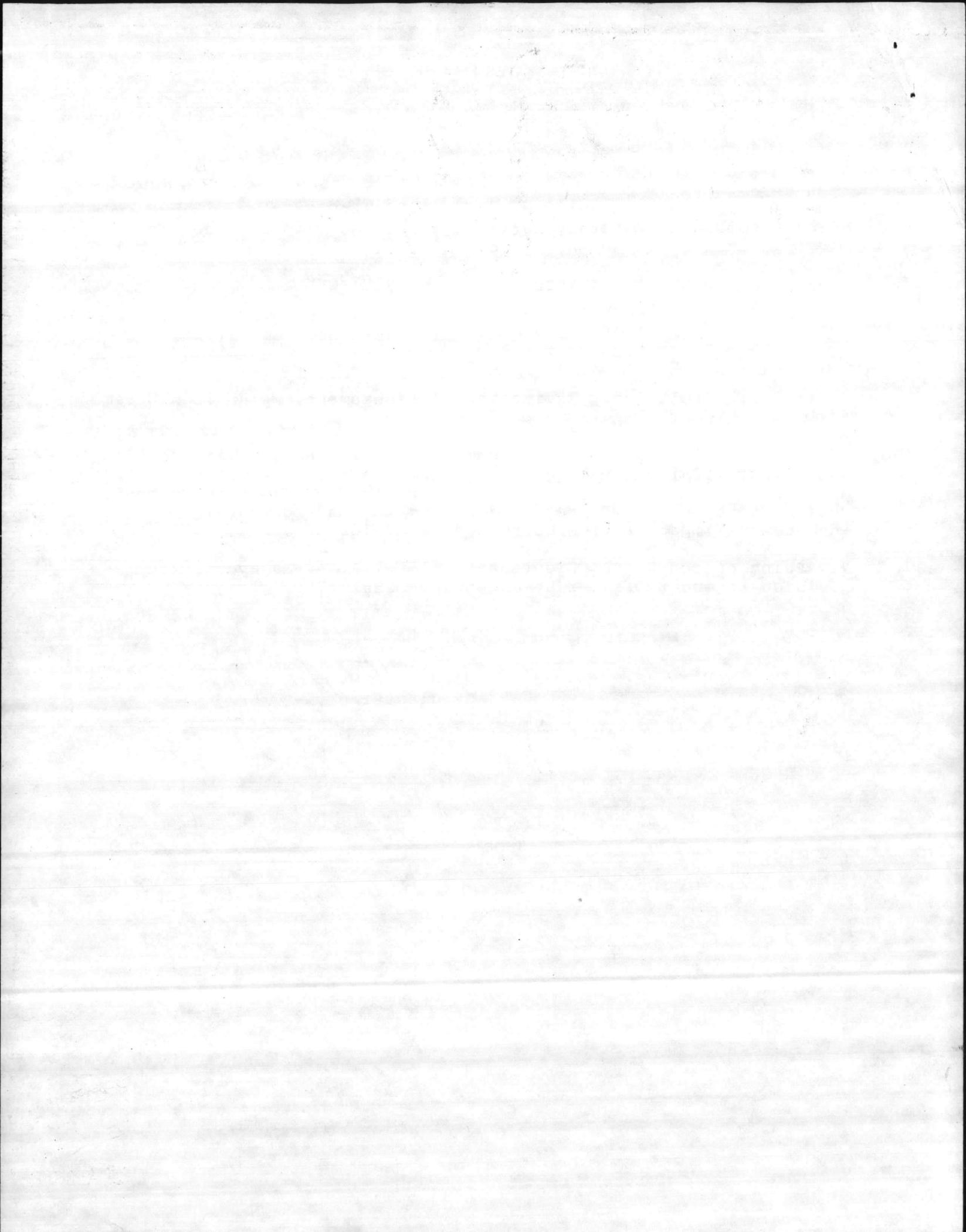
1. In accordance with reference (a), a Preliminary Environmental Assessment (PEA) has been completed for the proposed mechanized movement course. As requested during reference (b), this command desires to have the PEA reviewed during the Environmental Enhancement/Impact Review Board scheduled for 30 January 1986.

2. Point of contact is Lieutenant Colonel J. A. Marapoti, the Division Engineer Officer at extensions 2302/2755.

*R. M. Murphy*  
R. M. MURPHY  
By direction

Copy to:  
AC/S G-3T  
CO, 2d CEB

100



REQUEST FOR ENVIRONMENTAL IMPACT REVIEW OF THE  
PROPOSED MECHANIZED MOVEMENT COURSE

1. Action Sponsor: Division Engineer, 2d Marine Division, FMF
2. Name, Address, Phone Number of Point of Contact: Lieutenant Colonel J. A. MARAPOTI, 2d Marine Division, FMF, 2755/2302
3. Title and Brief description of Proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure): Mechanized Movement Course. The proposed Mechanized Movement Range would include a Mobility/Counter Mobility course, a Mechanized Vehicle Battle Run course and a deliberate Soviet Regimental Strong Point:

a. Mobility/Counter mobility Course (M/CM)

(1) The M/CM course is required to train mechanized elements of a Marine Air Ground Task Force (MAGTF) in obstacle breaching and obstacle creation techniques and procedures. Live demolitions will be used for simulated artillery and tank fire and for breaching wire entanglements.

(2) Partial completion is required by 15 June 1986. Full completion is required by September 1986.

(3) The location is in the IC area bounded by the following grid coordinate 868278, 872278, 864273 and 868273.

(4) Environmental protection measures proposed include the prevention of silt run off into wetlands.

b. Battle Run Area

(1) The battle run area is required to enable combat vehicles to move and maneuver in order to be able to acquire and engage targets for organic weapons as well as to train in survivability techniques. The maneuver area culminates in the deliberate Soviet Regimental defensive position. Live demolition will be used to simulate tank and artillery gunfire. Lumber harvesting will be required within major portions of the battle run area (See map).

(2) Partial completion is desired by May 1987. Full completion is desired by September 1987.

(3) The location of the battle run area is in the IF, IA, IE HC&HA areas bounded by the following coordinates:

864263 - 876253  
865285 - 880290  
830317 - 856350  
856310 - 880340



(4) Environmental protection measures planned include the prevention of soil erosion and the avoidance of Red Cockated Woodpecker habitats.

c. Soviet Regimental Strong Point

(1) The Soviet Regimental Strong Point Facility is required to create a realistic deliberate defensive complex to train mechanized and non mechanized elements of the Marine Air Ground Task Force (MAGTF) in obstacle breaching techniques and offensive tactics.

(2) Partial completion is desired by May 1987. Full completion is desired by September 1987.

(3) The location of the proposed site of the Soviet Strong Point Facility is in the HA area bounded by the following grid coordinates:

843336; 846338; 852320; 855324

(4) Environmental protection measures proposed include measures needed to prevent silt run off into wet lands.

4. Location: See enclosed map.

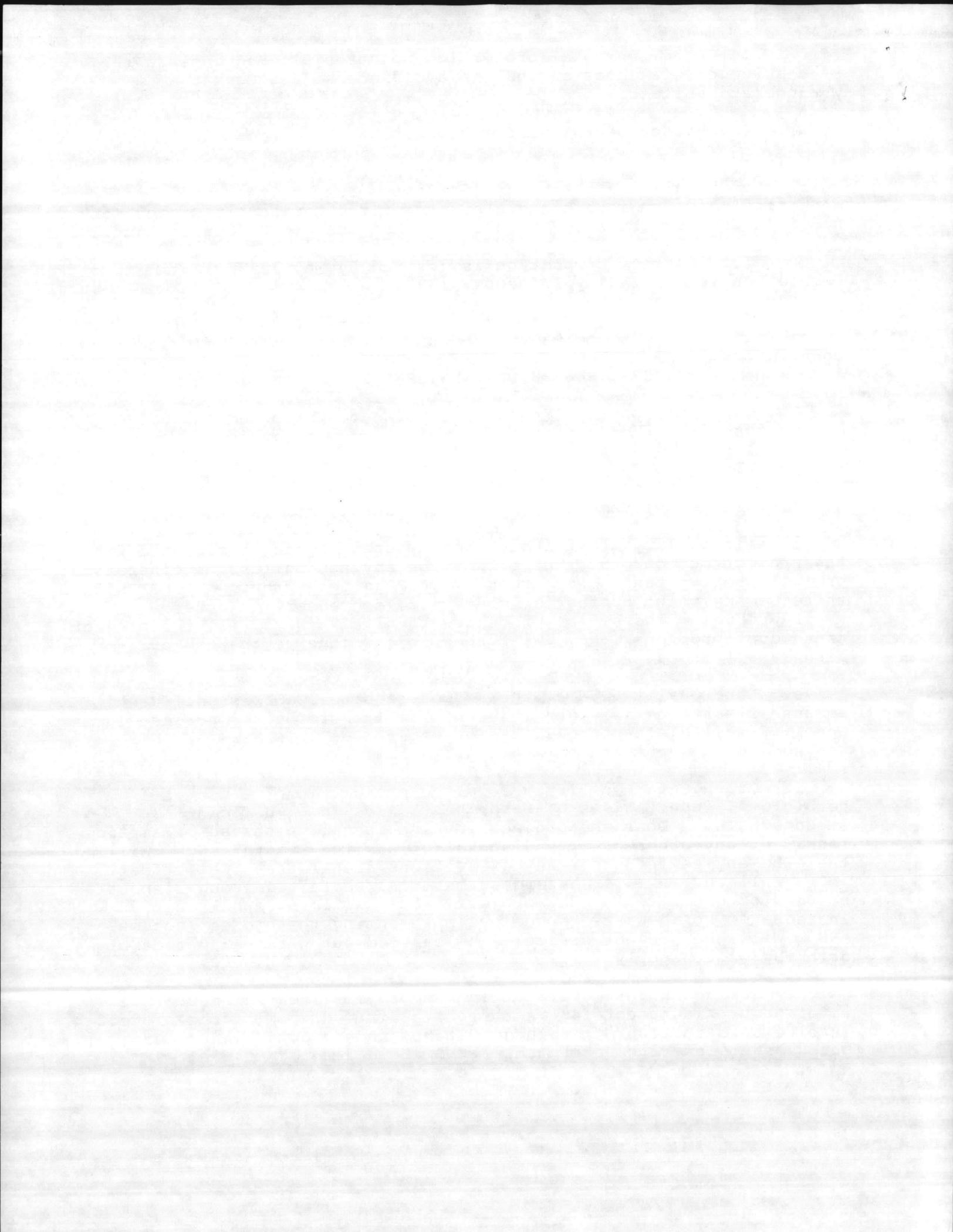
5. Potential environmental Impact/Considerations (See Note 1).

a. Air quality: Will there be any open burning associated with the project/action? NO Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons provided? NO Will there be any paint booths, solvent vats, degreasers or other vapor-producing industrial processes involved? NO Will the project cause dust problems? NO Will the project involve the use or disposal of asbestos? NO

b. Land Quality: Will the action require use of significant amount of earthen fill material? NO Will there be an increase in level of soil disturbance/damage of vegetation? YES Will there be one acre or more of land cleaned/disturbed? YES

c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? NO Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? NO Will there be any wells dug or any excavations deeper than twenty feet? NO Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? NO Will there be a net increase of solid waste caused by implementing the project/action? NO Will the project or action be carried out within 200 feet of a drinking water supply well? NO

d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? NO Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? NO

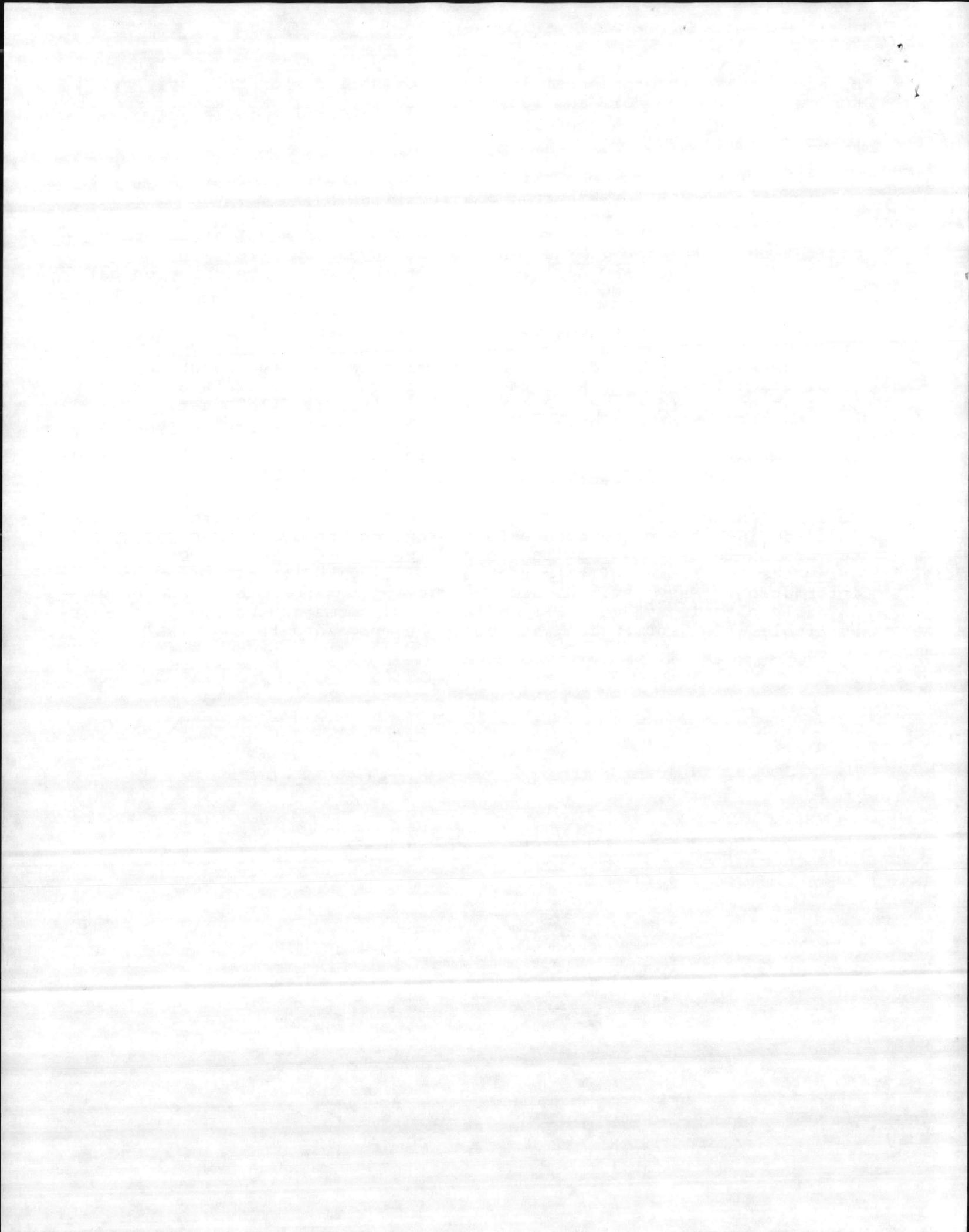


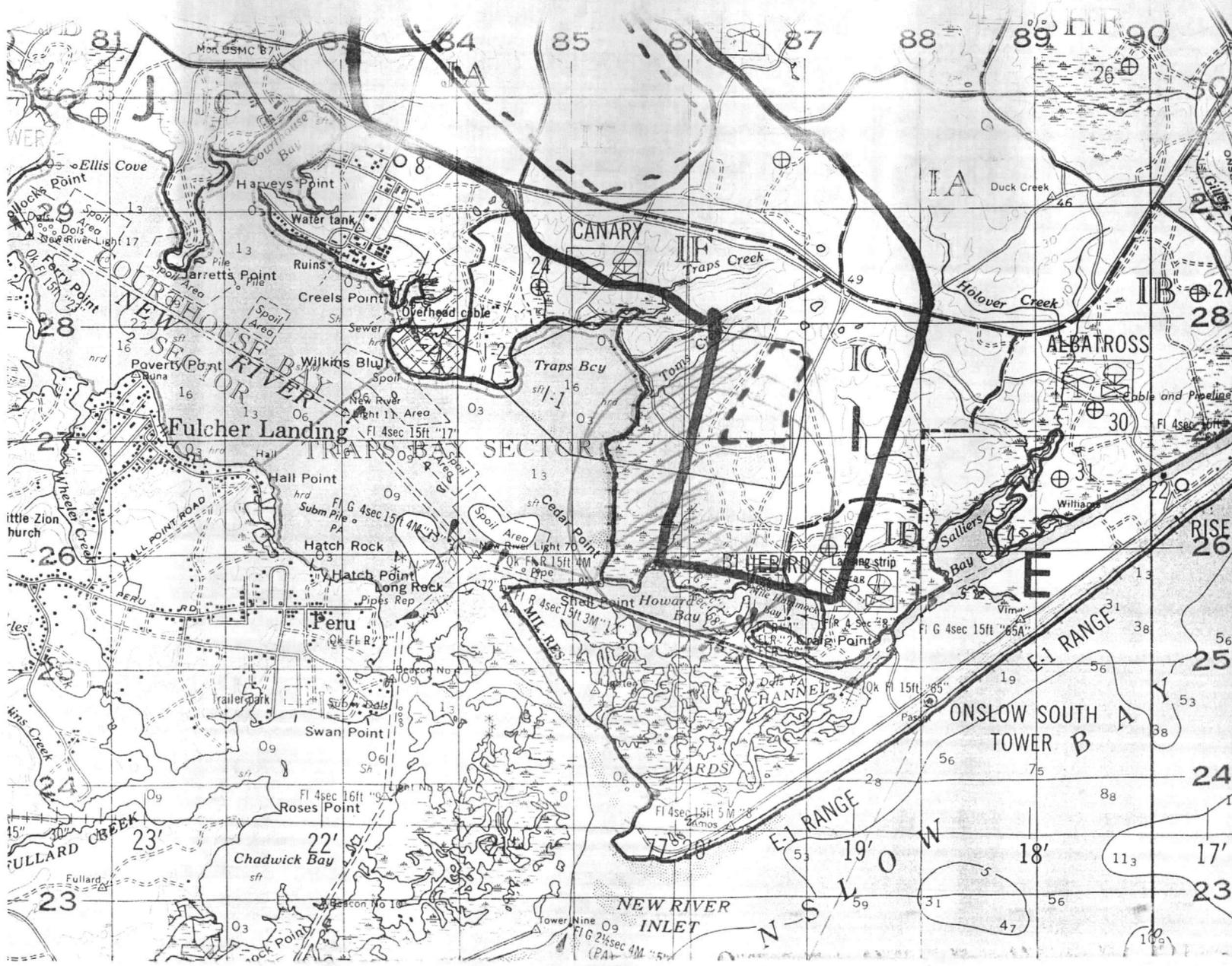
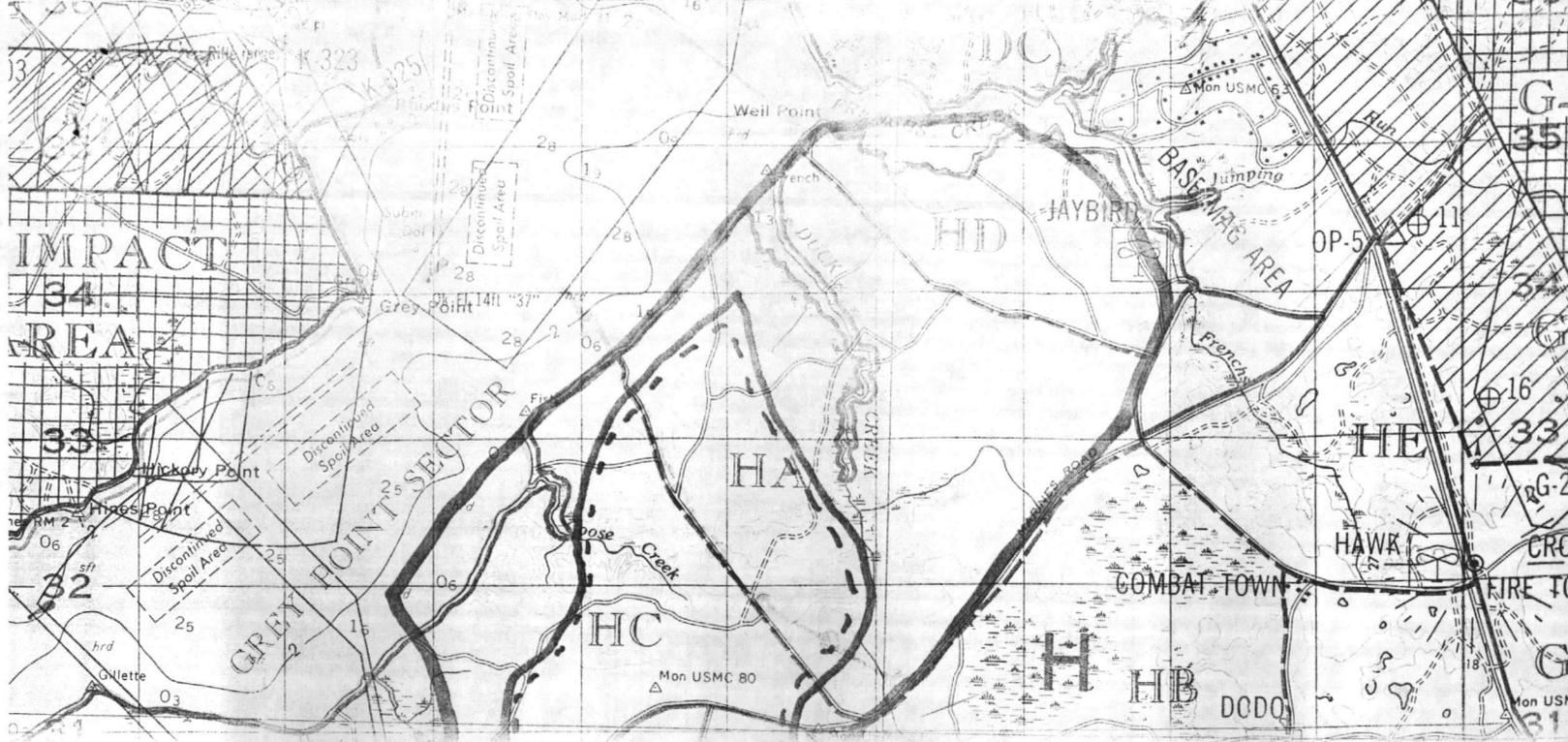
Will all wastewater be connected to sanitary sewer? -- Will there be an increase in erosion/siltation from soil disturbing activity? NO Will petroleum oil and lubricants be routinely stored or used at the site? NO Will the project increase rates of surface/storm water run-off? NO

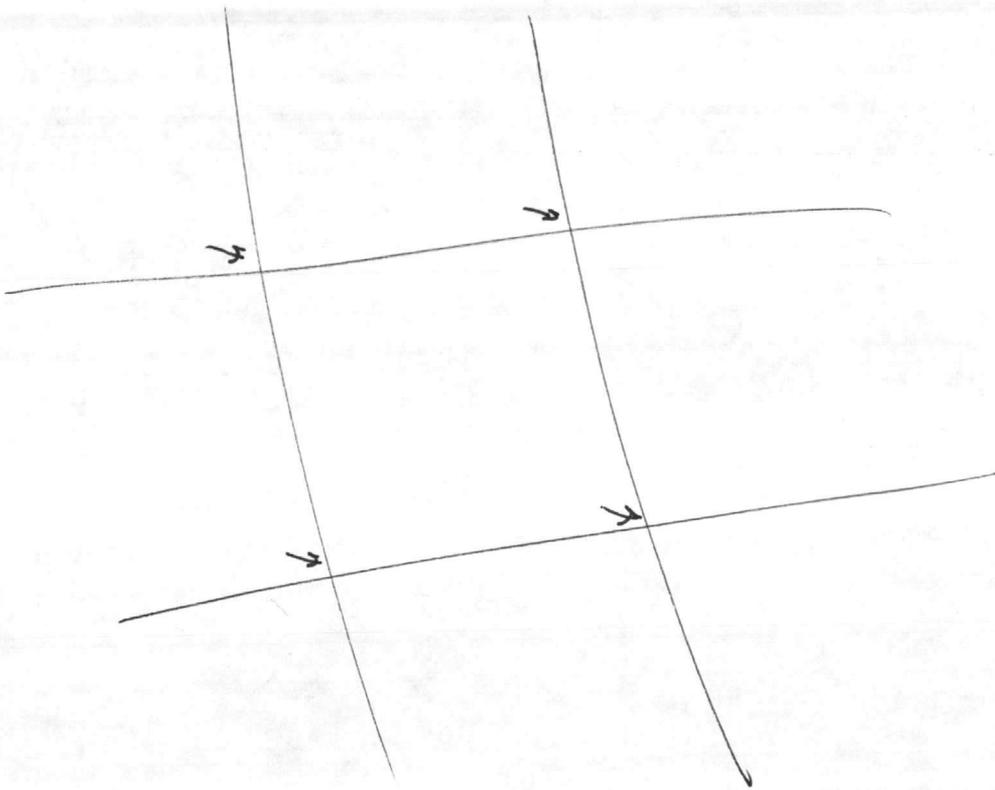
e. Natural Resources: Will there be a loss of forest land? YES Will public access for hunting, boating, fishing, etc., be restricted? NO Is there a change in land use from what is presently shown in Base Master Plan? NO Will removal of existing vegetation be required? YES Are there any known effects on any endangered species? NO Does the project involve the purchase or sale of any real estate? NO

f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? NO Will there be any increased demand on a local or state government to provide services? NO Will there be any changes to traffic flow and patterns on or off-base? NO Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? NO Is there any known controversy associated with the type of project or action/proposed? NO Are there any historical or archaeological sites affected by project/action? NO

NOTE 1. Answer either "yes" or "no" or "unknown". Answers should be based on information available to the action sponsor at time of submission to the Base Environmental Impact Review Board. Do not delay the submission of this request awaiting additional information. Many environmental considerations need to be addressed in early planning stages. If additional information becomes available after submission, it should be forwarded to the EIRB.







UNITED STATES MARINE CORPS  
Marine Corps Base  
Camp Lejeune, North Carolina 28542-5001

6280  
FAC  
AUG 14 1987

MEMORANDUM FOR RECORD

Subj: ENVIRONMENTAL AGENCY REVIEW OF THE PROPOSED MECHANIZED  
MOVEMENT COURSE AND THE G10 EXPANSION

1. On 4 August 1987, representatives of the U.S. Corps of Engineers Wilmington District, North Carolina Divisions of Environmental Management, Land Quality and Coastal Management, met with 2d Marine Division and Marine Corps Base staff to review the subject projects. The purpose of the meeting was to brief these external agencies and to conduct a site visit regarding the project's scope and the environmental impacts.

2. An outbriefing was conducted which brought forth the following significant issues:

A. Due to an extensive amount of disturbance to the shoreline and erosion prone areas, the lack of erosion control of existing property created an adverse image with the agencies of the base's environmental protection commitment which will affect their review of the current proposal.

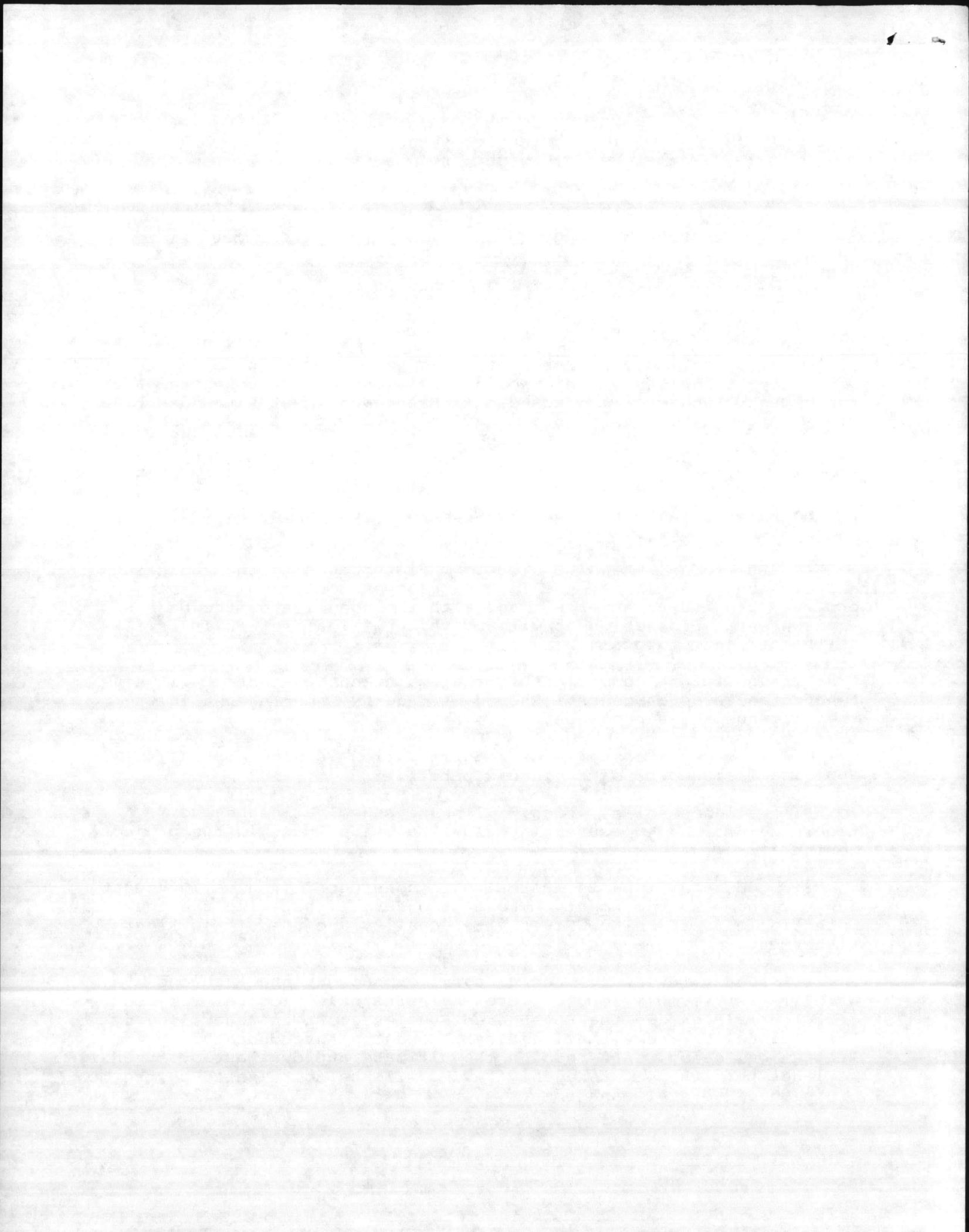
B. The future commitment to road maintenance, tank trail maintenance and erosion control should be made by Camp Lejeune in the training and range projects.

C. More detailed wetlands identification is needed prior to applying for a Corps of Engineers permit.

D. Wetlands soils, which will be seasonably flooded and requiring drainage measures, should also be included in the project design.

E. Secondary impacts must also be considered in a well thought-out environmental document. These secondary impacts include the potential effects on New River water quality and use of New River by fishermen.

F. Agency review by Federal agencies such as the Fish and Wildlife Service will be completed by both the Ecological Services group in Raleigh and the Endangered Species group in Asheville; by the National Marine Fisheries Service and the Environmental Protection Agency. EPA retains the ultimate approval authority on wetlands permits. State agency review will be coordinated by the NC Division of Coastal Management.



Subj: ENVIRONMENTAL AGENCY REVIEW OF THE PROPOSED MECHANIZED  
MOVEMENT COURSE IN THE G10 EXPANSION

G. All agencies present encouraged the Base to conduct public information efforts regarding the project. The concern for the project being located in or affecting the use of navigable waters was repeatedly emphasized. The Corps of Engineers indicated they would rather the Base conduct a public information effort to find out public concerns during the environmental assessment process rather than trying to face a public controversy during the Corps of Engineers permitting process.

H. All the agencies present at the outbrief recognized the adverse impacts at Duck Creek created by tank trail maintenance and bridge crossing site. Colonel Dalzell committed the Base to correcting this problem by instituting erosion controls and other corrections as needed.

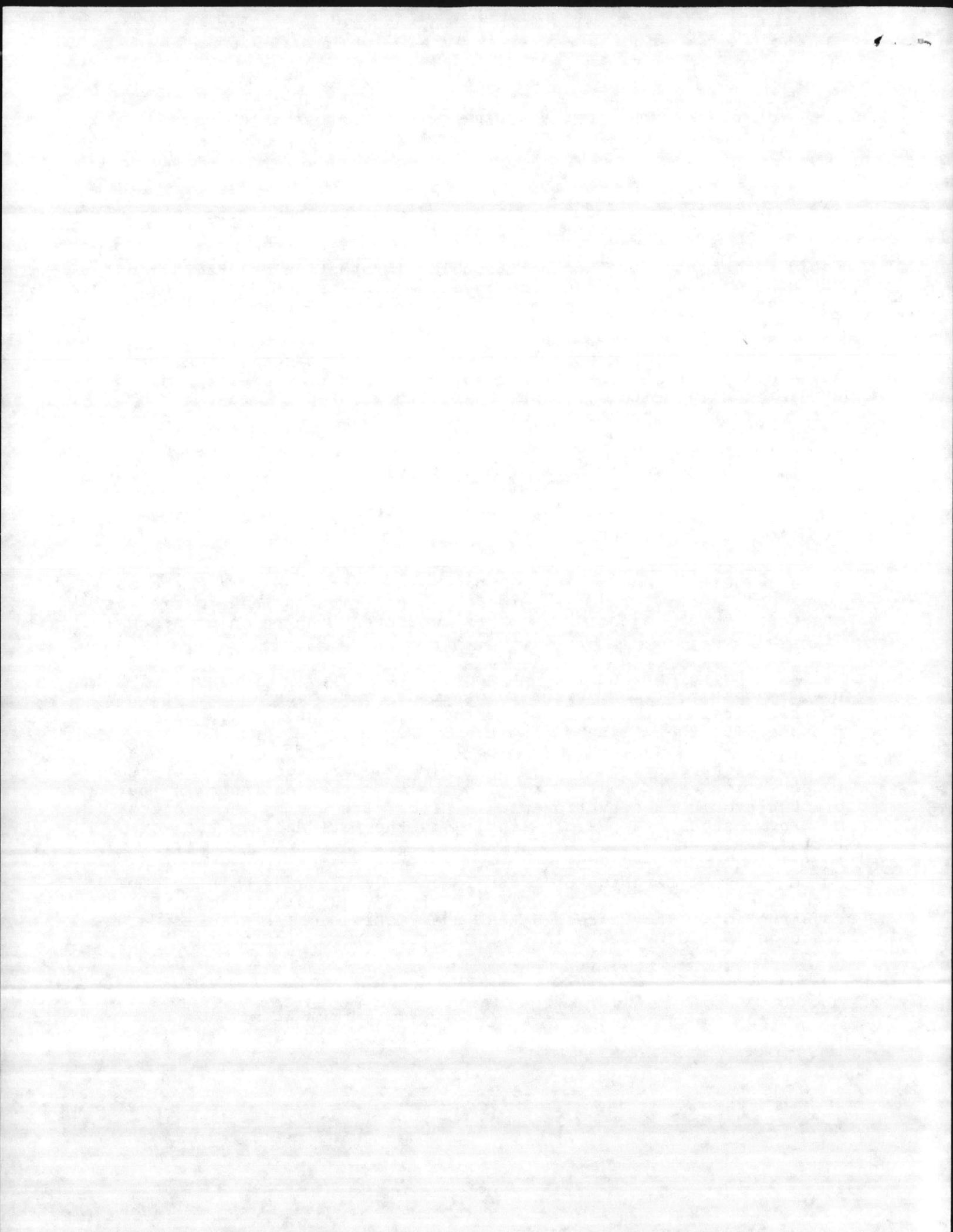
I. The continuing problem of communicating environmental precautions to a rapidly changing population of military equipment operators and unit commanders was discussed. The environmental agencies recommended some type of environmental handout to be given wide circulation.

J. The concern for splash points was mentioned by all the agencies. Specifically, a formal design for the splash points was suggested by the agencies as means to prevent future maintenance and erosion problems.

K. The recommendation was made by the Corps of Engineers to have a consultant design the road network and to include erosion control, drainage and the maintenance plan for submission with our proposal for the wetlands permit.

L. Archaeological issues were discussed in terms of the Base's response to determine the significance of sites mentioned in the draft historic preservation plan. Sites affected by the project must be tested for possible listing in the National Register of Historic Places.

M. The NC Division of Coastal Management was especially concerned about non-point source runoff from road maintenance and road construction. They stressed that the NC Division of Wildlife Resources would be reviewing our project for the impact on pocossins.

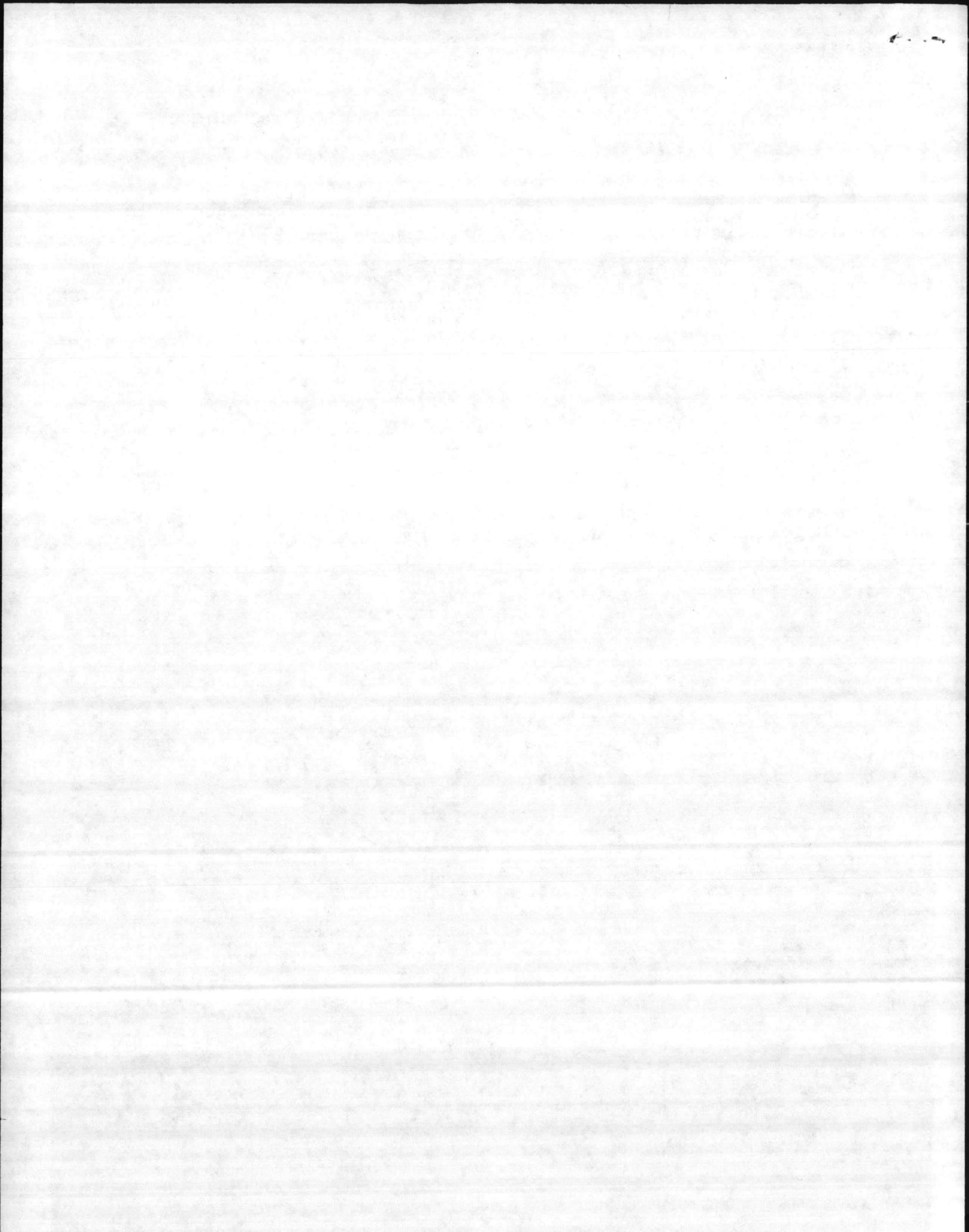


Subj: ENVIRONMENTAL AGENCY REVIEW OF THE PROPOSED MECHANIZED  
MOVEMENT COURSE IN THE G10 EXPANSION

N. All agencies encouraged us to maintain contact with their offices during the process of writing the EA and encouraged us to solicit their review of the EA prior to final publication.

  
T. J. DALZELL

Copy to:  
AC/S Trng & Ops  
SJA  
NREAD  
FacMgmtO  
EnvEngr  
2d MarDiv (G-3)  
2d MarDiv (G-4)  
2d MarDiv (10th Mar)  
2d MarDiv (CEB)  
2d MarDiv (2d Tk Bn)





UNITED STATES MARINE CORPS  
 Marine Corps Base  
 Camp Lejeune, North Carolina 28542-5001

NRETA

IN REPLY REFER TO

6280  
 FAC  
 24 JUL 1986

From: Commanding General, Marine Corps Base, Camp Lejeune  
 To: Commanding General, 2d Marine Division, FMF, Camp Lejeune, NC 28542-5500

Subj: ENVIRONMENTAL ASSESSMENT FOR TRAINING FACILITY IMPROVEMENTS

Ref: (a) CG 2dMarDiv CLNC ltr 11000 DIV G-4 ENG of 10 Jun 86 w/encls  
 (b) CG 2dMarDiv CLNC ltr 11000 DIV G-4 ENGR of 25 Mar 86 w/encls *(I do not have a copy of this!)*

PEA FOR G-10  
 PEA FOR MMC

5  
 The purpose of this letter is to establish a working group between Marine Corps Base and the 2d Marine Division, with equal staff support, to prepare an Environmental Assessment for the 2d Marine Division's proposal to expand the G-10 and establish a Mechanized Movement Course (MMC).

Reference (a) provided a Preliminary Environmental Assessment for the proposed expansion of the G-10 Range. Reference (b) provided a PEA for the proposed MMC. The Marine Corps Base Environmental Enhancement Impact Review Board met on 17 July 1986 to review the PEA's submitted by references (a) and (b). As indicated both during this meeting and in the documentation submitted by references (a) and (b), there are proposed actions that may have potentially significant adverse impacts on the environment. These proposed actions require advisory opinions of other government agencies which must be made part of the Marine Corps Base EA forwarded to HQMC for review by Headquarters Marine Corps Environmental Impact Statement (EIS) Review Board.

3. The need to expedite completion of the EA as expressed in reference (a) is recognized. In order to accomplish this, the combined efforts of Division and Base personnel working as a project team are required. This team's work is estimated to extend for five to six months during preparation of an EA document for initial review.

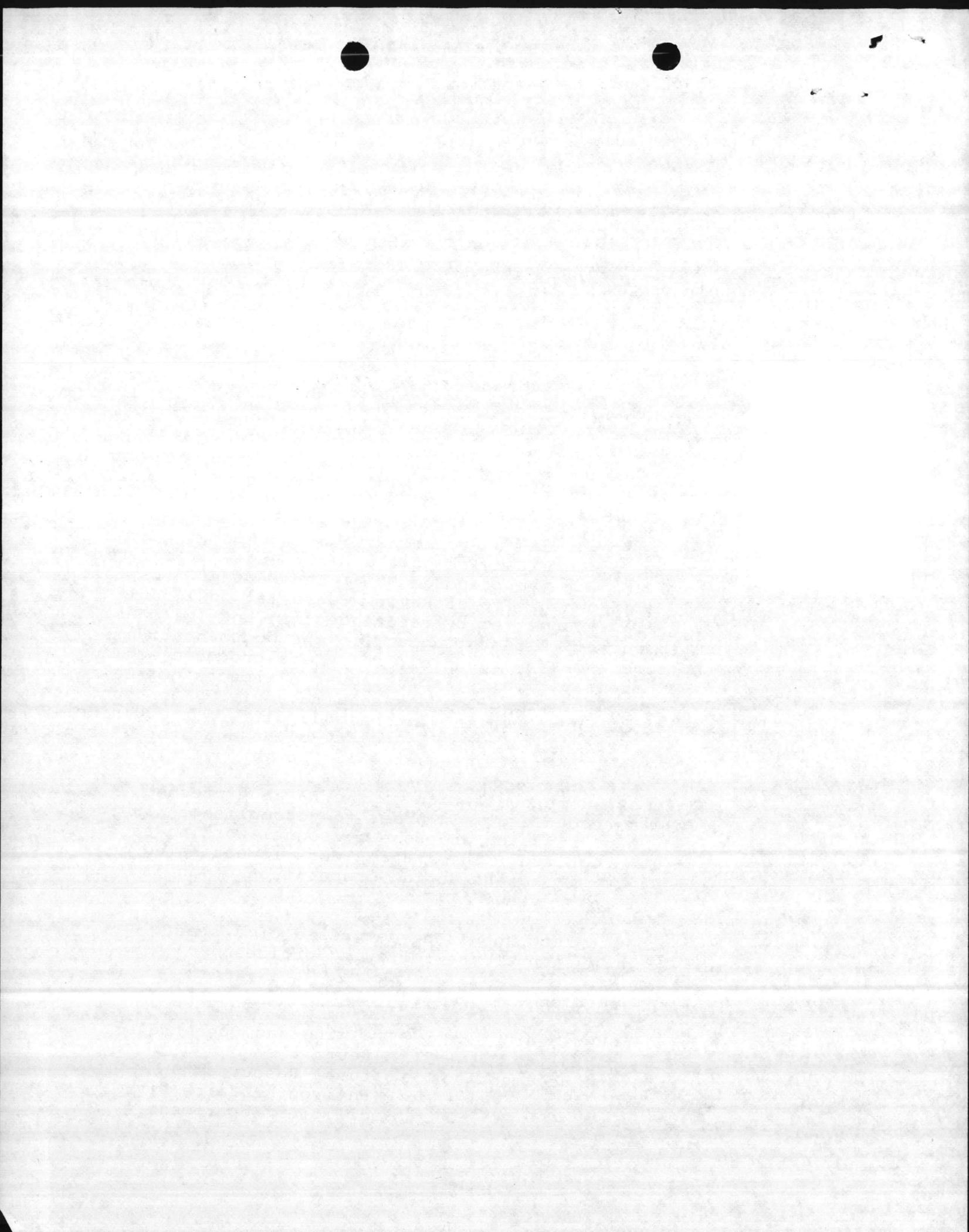
a. The project team should be comprised of a staff representative from each of the following offices:

2d Marine Division

Marine Corps Base

- Division Engineer
- 2d Tank Battalion
- 10th Marine Regiment

- Training and Operations Dept.
- Natural Resources & Environ. Affairs Div.
- Facilities Department





UNITED STATES MARINE CORPS  
Marine Corps Base  
Camp Lejeune, North Carolina 28542-5001

NRE A

IN REPLY REFER TO

6280  
FAC  
24 JUL 1986

From: Commanding General, Marine Corps Base, Camp Lejeune  
To: Commanding General, 2d Marine Division, FMF, Camp Lejeune, NC 28542-5500

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PEA FOR G-10  
PEA FOR MMC

1. The purpose of this letter is to establish a working group agreement between Marine Corps Base and the 2d Marine Division, for mutual staff support, to prepare an Environmental Assessment (EA) for the 2d Marine Division's proposal to expand the G-10 Range and establish a Mechanized Movement Course (MMC).

2. Reference (a) provided a Preliminary Environmental Assessment (PEA) for the proposed expansion of the G-10 Range. Reference (b) provided a PEA for the proposed MMC. The Marine Corps Base Environmental Enhancement Impact Review Board met on 17 July 1986 to review the PEA's submitted by references (a) and (b). As indicated both during this meeting and in the documentation submitted by references (a) and (b), there are proposed actions that may have potentially significant adverse impacts on the environment. These proposed actions require advisory opinions of other government agencies which must be made part of the Marine Corps Base EA forwarded to HQMC for review by Headquarters Marine Corps Environmental Impact Statement (EIS) Review Board.

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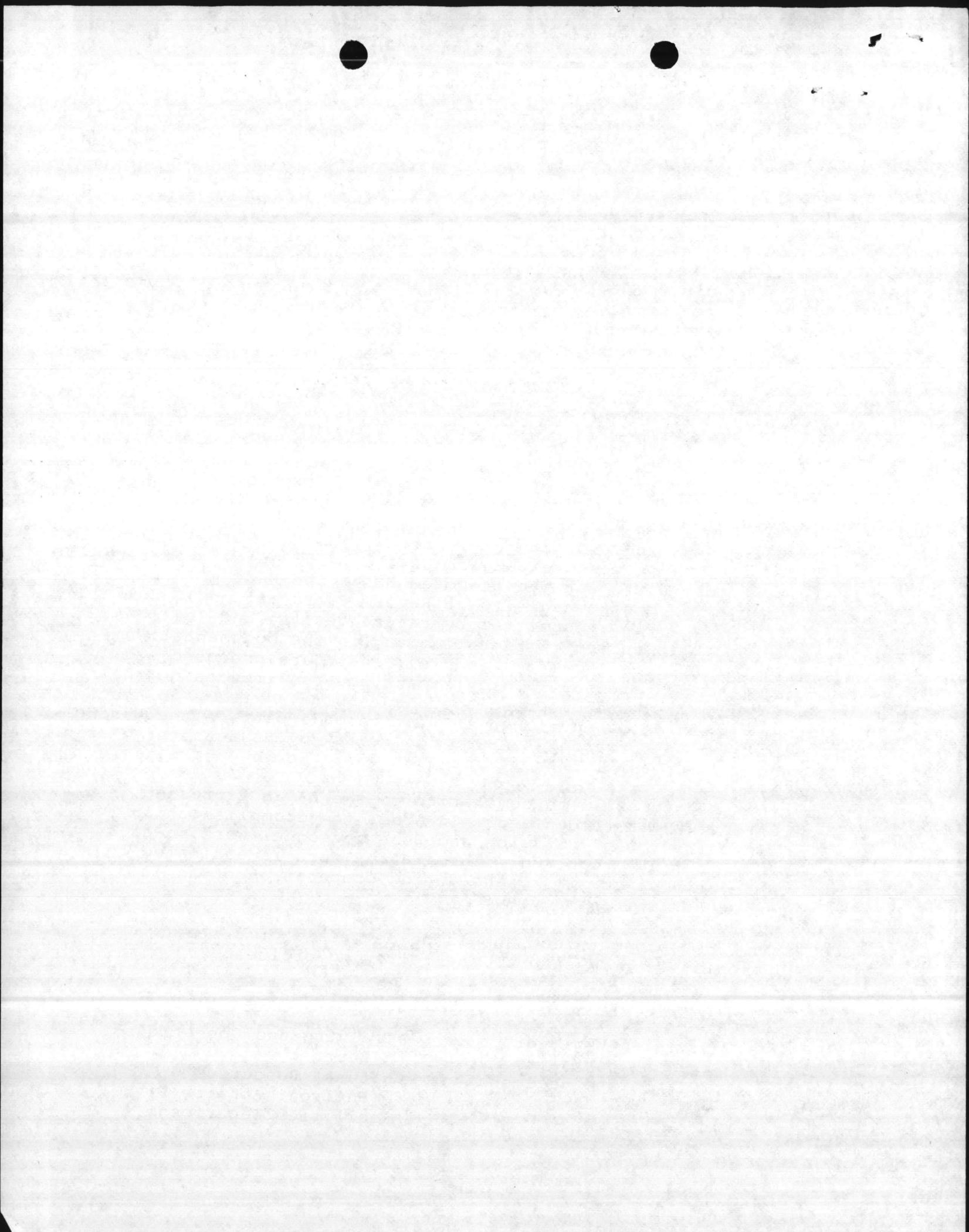
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- Division Engineer
- 2d Tank Battalion
- 10th Marine Regiment

Marine Corps Base

- Training and Operations Dept.
- Natural Resources & Environ. Affairs Div.
- Facilities Department



Subj: ENVIRONMENTAL ASSESSMENT FOR TRAINING FACILITY  
IMPROVEMENTS

b. Personnel should be assigned to this team on a part-time basis under the direction of the Marine Corps Base Training and Operations Department Project Officer. Technical assistance in developing the EA will be provided by the MCB Environmental Engineer

c. The function of the team will be to prepare an EA in accordance with current HQMC policy. This work entails compiling existing data, some field data collection and locating project sites, consulting with state and federal agencies, and preparing a draft EA to be internally staffed prior to publication.

(1) Base personnel will provide technical assistance, access to data, and assist in agency consultations such as U.S. Fish and Wildlife Service. Base personnel will also handle arrangements for "outside" expertise, including funding and administering contracts or agreements to obtain data as required. Base Personnel will arrange the publication of the Finding of No Significant Impact upon completion of the EA.

*HELL of an assumption!*

(2) Division personnel will compile the data and maps, conduct field work, assist in agency consultations, and prepare the manuscript for the EA. This includes writing and typing the EA per the format and content of MCO P11000.8B and reproduction of the draft and final EA.

4. Marine Corps Base is committed to a timely conclusion of this effort; however, a detailed set of procedures under the National Environmental Policy Act must be followed. These procedures require approval by a number of North Carolina and federal agencies, as well as public review of the EA's conclusions.

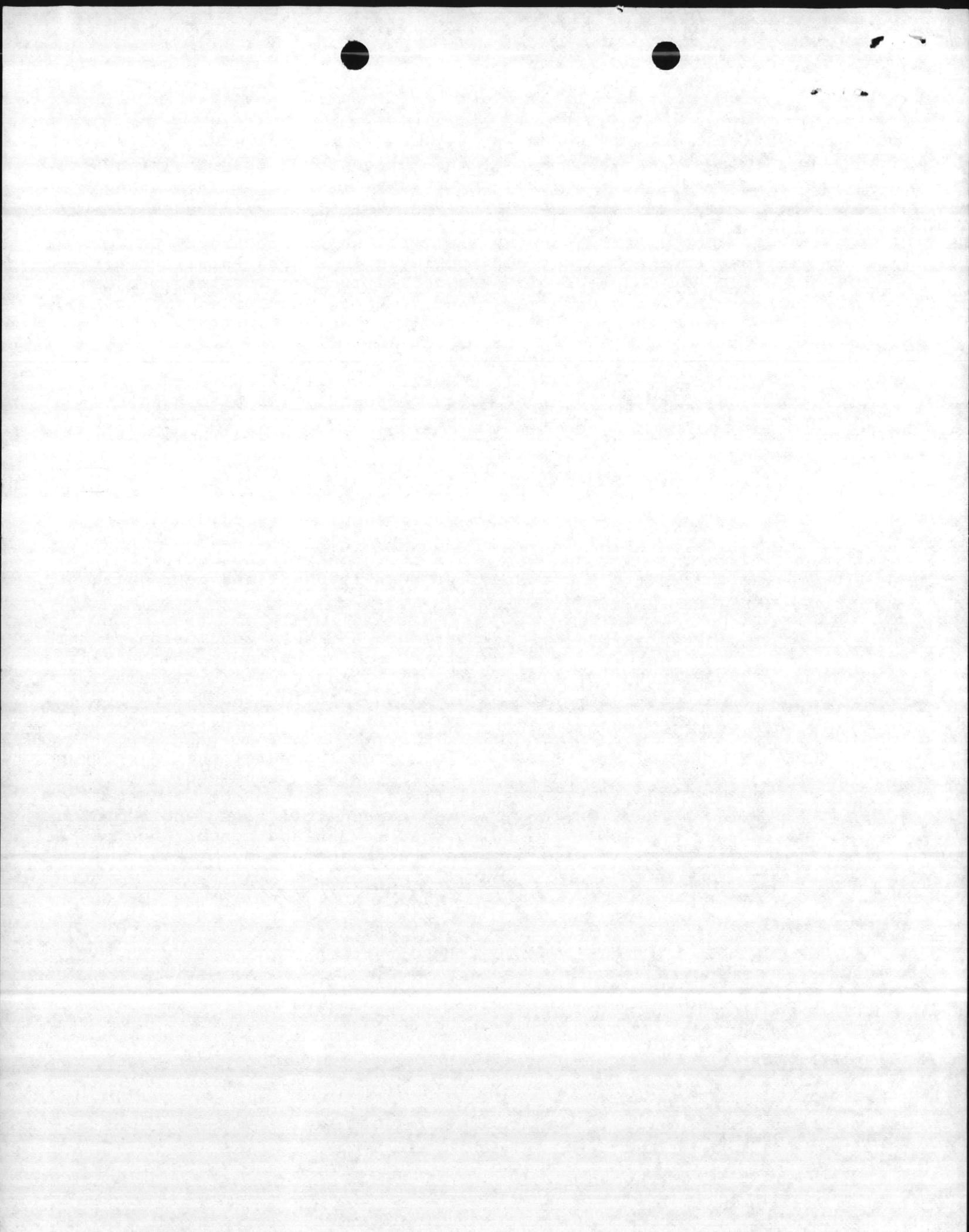
5. We request your review of this proposed agreement. The terms are flexible on our part. As a first step, recommend a meeting on 25 July 1986 at 1330, Facilities Conference Room, to develop a work plan with milestones, assign responsibilities, and begin the assessment process. Following your review and concurrence of this agreement, we will convene the project team.

*T. J. Dalzell*  
T. J. DALZELL  
By direction

Copy to:  
CMC (LFL)

*Base Will:*

*Division Will:*



6280/8

FAC

AUG 15 1986

Mr. Martin Dickinson  
Water and Air Research, Inc.  
6821 S.W. Archer Road  
Gainesville, FL 32608

Re: Historic Preservation Plan and  
Training Facilities Improvements

Dear Mr. Dickinson:

As discussed recently between Mrs. Wayne, Water and Air Research, and Mr. Alexander, Marine Corps Base, we are forwarding the enclosures for your use in developing the subject plan. The enclosures provide more details on the expansion of the G-10 Impact Area and creation of additional maneuver areas than the Special Training Analysis which you have already received.

These projects are being evaluated in an Environmental Assessment being prepared during the next 3-4 months. We look forward to including your recommendations for sites within these project areas in the EA. Mr. Bob Alexander, Marine Corps Base Environmental Engineer, 919-451-3034 will provide any further information you may desire.

Sincerely,

T. J. DALZELL  
Colonel, U. S. Marine Corps  
Assistant Chief of Staff, Facilities  
By direction of the Commanding General

Encl: (1) Proposed Expansion of G-10 Impact Area  
(2) Proposed Mechanized Maneuver Course

Copy to:  
National Park Service, Atlanta  
CMC (LFL)

Blind Copy to:  
CG, 2d MarDiv (Attn: DivEngr)  
AC/S, Trng & Ops  
NREAD  
EnvEngr

1988  
10/15/88  
WAC

Mr. Martin Robinson  
Editor and Air Research, Inc.  
2821 S.W. 12th Road  
Gainesville, FL 32608

Re: Historic Preservation Plan and  
Training Facilities Improvements

Dear Mr. Robinson:

As discussed recently between Mrs. Wayne Water and Air Research, Inc. and Mr. Alexander, Marine Corps Base, we are forwarding the enclosed for your use in developing the subject plan. The enclosed provide more details on the expansion of the C-10 Impact Area and creation of additional maneuver areas than the special training analysis which you have already received.

These projects are being evaluated in an Environmental Assessment being prepared during the next 3-4 months. We look forward to including your recommendations for sites within these projects areas in the EA. Mr. Bob Alexander, Marine Corps Base, Divisional Engineer, 315-451-3024 will provide any further information you may desire.

Sincerely,

J. J. O'LEARY  
Colonel, U.S. Marine Corps  
Assistant Chief of Staff, Facilities  
By direction of the Commanding General

Encl: (1) Proposed Expansion of C-10 Impact Area  
(2) Proposed Maneuver Areas

Copy to:  
National Park Service, Atlanta  
WAC (encl)

Blind Copy to:  
CO, 2d Marine Division (Divert)  
AVS, Eng & Ops  
WAC  
Mycant



UNITED STATES MARINE CORPS  
10th Marines, 2d Marine Division, FMF  
Camp Lejeune, North Carolina 28542-5515

IN REPLY REFER TO  
11020  
CO  
29 May 86

From: Commanding Officer, 10th Marines  
To: Commanding General, 2d Marine Division, FMF (Attn: DivEngr)  
Subj: REQUEST FOR ENVIRONMENTAL IMPACT REVIEW: G-10 EXPANSION/MOBILE  
OBSERVATION CIRCUIT COURSE

Ref: (a) PhonCon 10th Marines (Capt Matthews)/2d Marine Division (LtCol  
Marapoti) of 23 May 86  
(b) Base Order 11000.1B  
(c) CO, 10th Mar ltr 11102 CO 28 Feb 86  
(d) Meeting of 4 Feb 86 between 10th Marines, Range Control Off, EOD  
Off, and Base Environmental Engineer  
(e) CO, 10th Mar ltr 11019 CO of 15 Jan 86

Encl: (1) Proposed Expansion of G-10 Impact Area  
(2) Mobile OP Circuit Course  
(3) Initial Rough Environmental Disturbance of Affected Area Expansion  
(4) Factors for Enlargement of G-10 Impact Area

1. Pursuant to references (a) and (b) this request is submitted to commence the Environmental Impact Review of the G-10 Expansion/OP Circuit Course as initially proposed in enclosures (1) and (2).

2. The expansion of the G-10 Impact Area is considered necessary to enhance the capabilities of the G-10 Range, (references (c) and (e)), with respect to absorption of the effects from current and future fragmenting munitions. The proposed expansion of G-10 will afford greater flexibility for artillery, as the long axis of the G-10 Impact Area will be along the trajectories for a significant number of gun positions to the South and North. The Mobile OP Circuit Course will lend realism to F.O. training vice the static positioning that is currently used.

3. The parameters of future expansion of G-10 to the South towards the junction of Sneads Ferry Road and Highway 172 has several environmental factors to consider that are beyond the expertise of this command. Enclosure (3) graphically displays the area and by color outlines the natural vegetation/habitat that will be affected.

4. The Potential Environmental Impact/Considerations that must be addressed as required by reference (b) are as follows:

a. Air Quality: Will there be any open burning associated with the project/action? UNKNOWN. Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? NO. Will there be any paint booths, solvent vats, degreasers or other vapor-producing industrial processes involved? NO Will project cause dust problems? UNKNOWN.

b. Land Quality: Will the action require use of significant amount of earthen fill material? NO. Will there be an increase in level of soil disturbance/damage to vegetation? YES. Will there be one acre or more of land cleared/disturbed? YES.

Encl (1)



c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? YES. Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? NO. Will there be any wells dug or any excavations deeper than twenty feet? NO. Will any toxic or hazardous material/waste requiring disposal be used or generated by the project UNKNOWN. Will the project or action be carried out within 200 feet of a drinking supply well? UNKNOWN.

d. Surface Water Quality: Is the project located on or in a water body or adjacent to a 100-year flood plain? UNKNOWN. Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? UNKNOWN. Will all water waste be connected to sanitary sewer? UNKNOWN. Will there be an increase in erosion/siltation from soil disturbing activity? UNKNOWN. Will petroleum oil and lubricants be routinely stored or used at the site? NO. Will the project increase rates of surface/storm water run-off? UNKNOWN.

e. Natural Resources: Will there be a loss of forest land? YES. Will public access for hunting, boating, fishing, etc., be restricted? YES. Is there a change in land use from what is presently shown in Base Master Plan? YES. Will removal of existing vegetation be required? YES. Are there any known effects on any endangered species? YES. Does the project involve the purchase or sale of any real estate? NO.

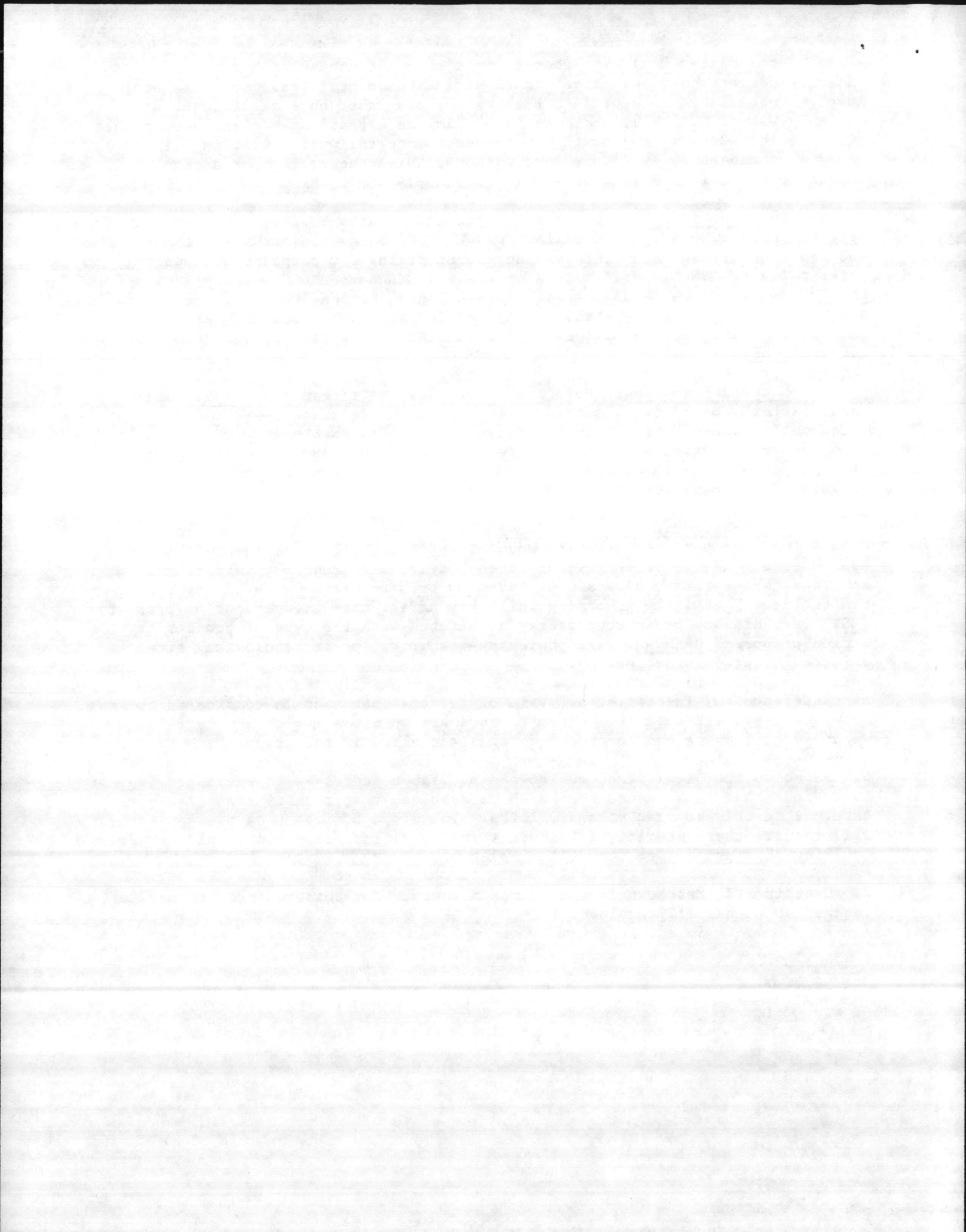
f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? NO. Will there be any increased demand on a local or state government to provide services? NO. Will there be any changes to traffic flow and patterns on or off-base? NO. Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? YES. Is there any known controversy associated with the type of project or action proposed? UNKNOWN. Are there any historical or archaeological sites affected by project/action? NO.

5. Reference (d) identified a myriad of factors that must be considered to bring this project on line. These factors are submitted as enclosure (4) and were used to answer many of the questions addressed in paragraph 4 above.

6. Based on the significant environmental issues addressed in enclosure (4), it is obvious that many issues remain to be resolved that require expertise external to this command's capabilities. The scope of impact on the environment will require the mustering of resources from Division, Base and outside experts to bring this project to its full completion.

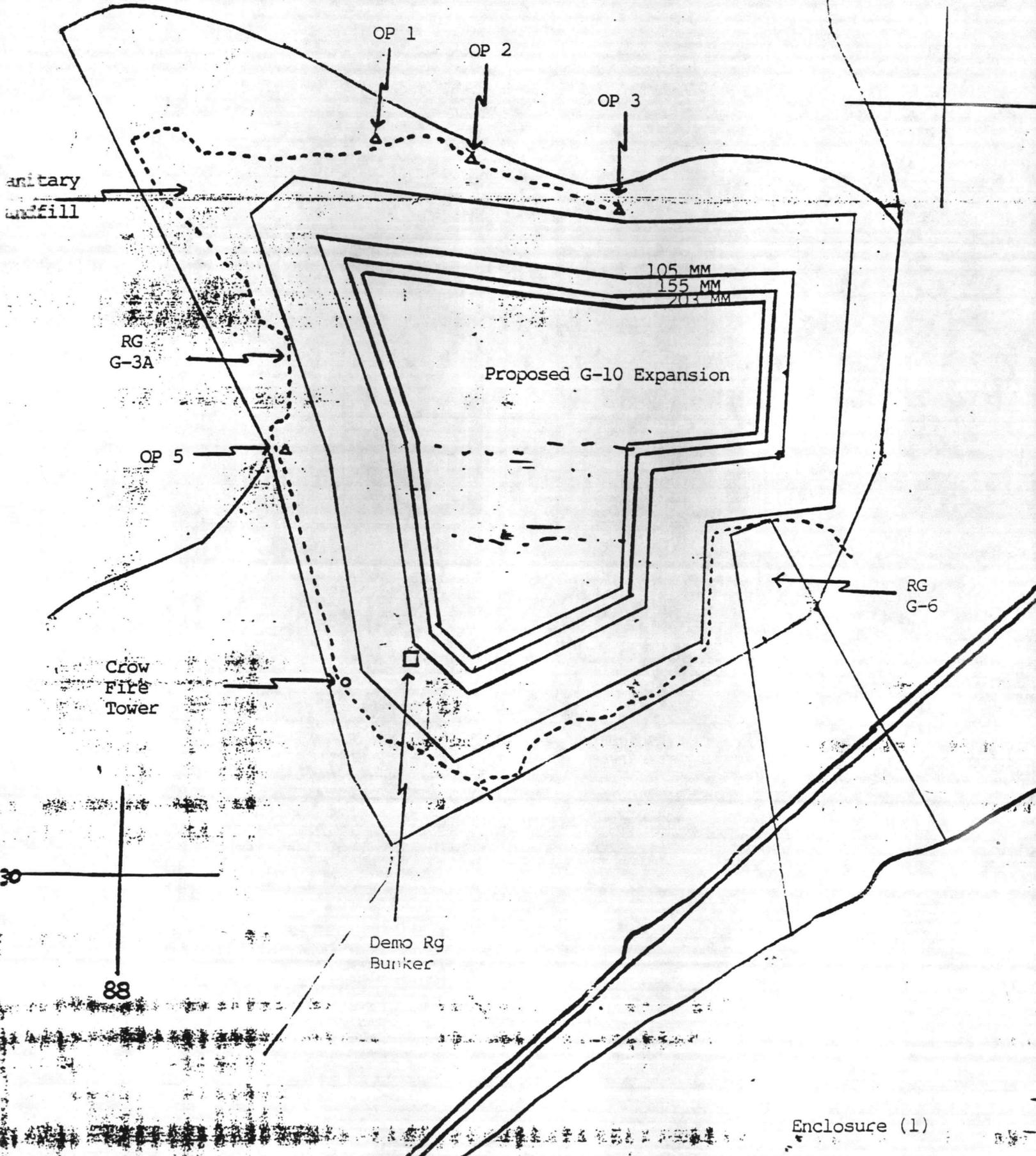
7. Captain P.J. Matthews is the point of contact for this subject and may be reached at either 5527 or 1640.

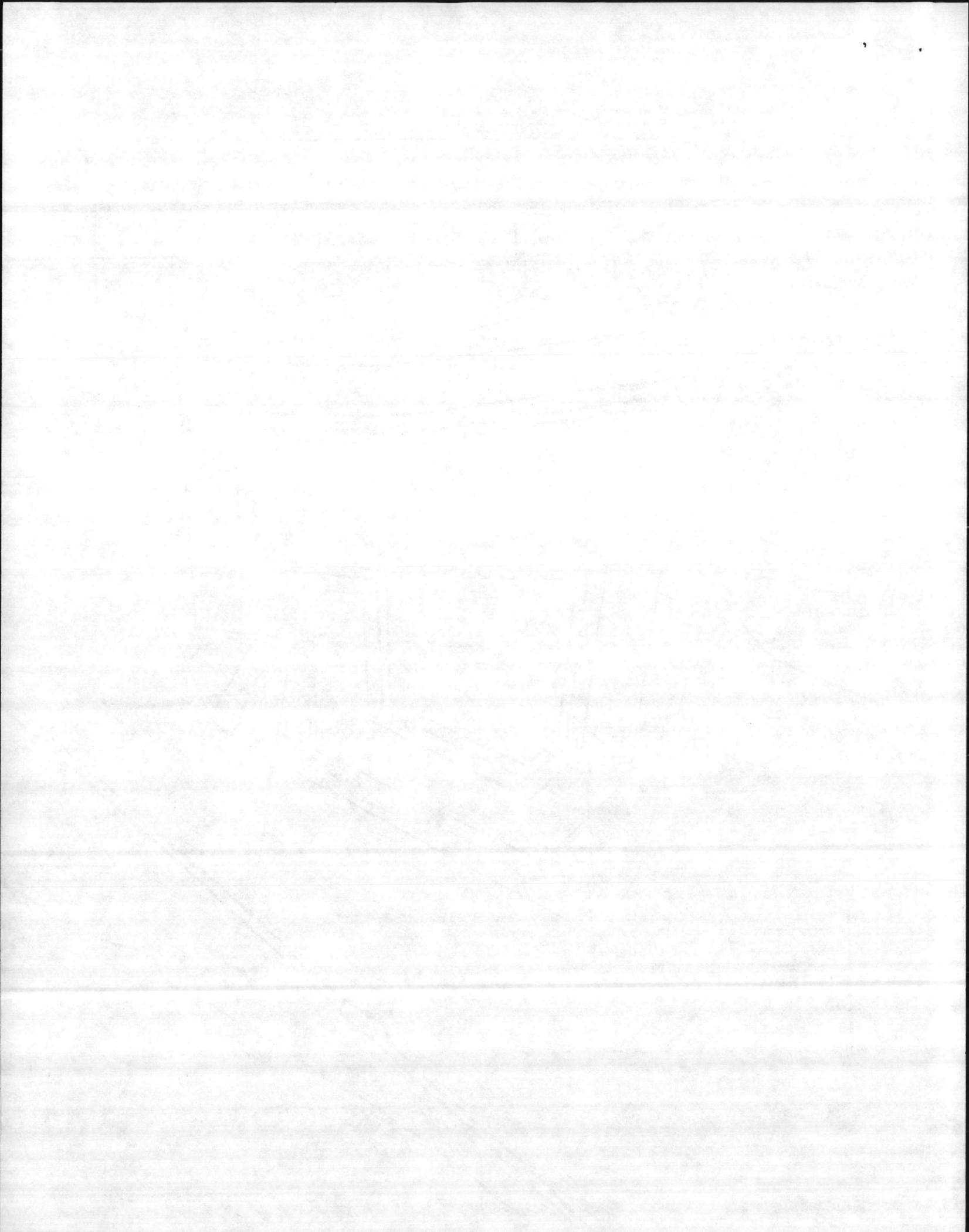
  
J.B. WAY



PROPOSED EXPANSION OF G-10 IMPACT AREA

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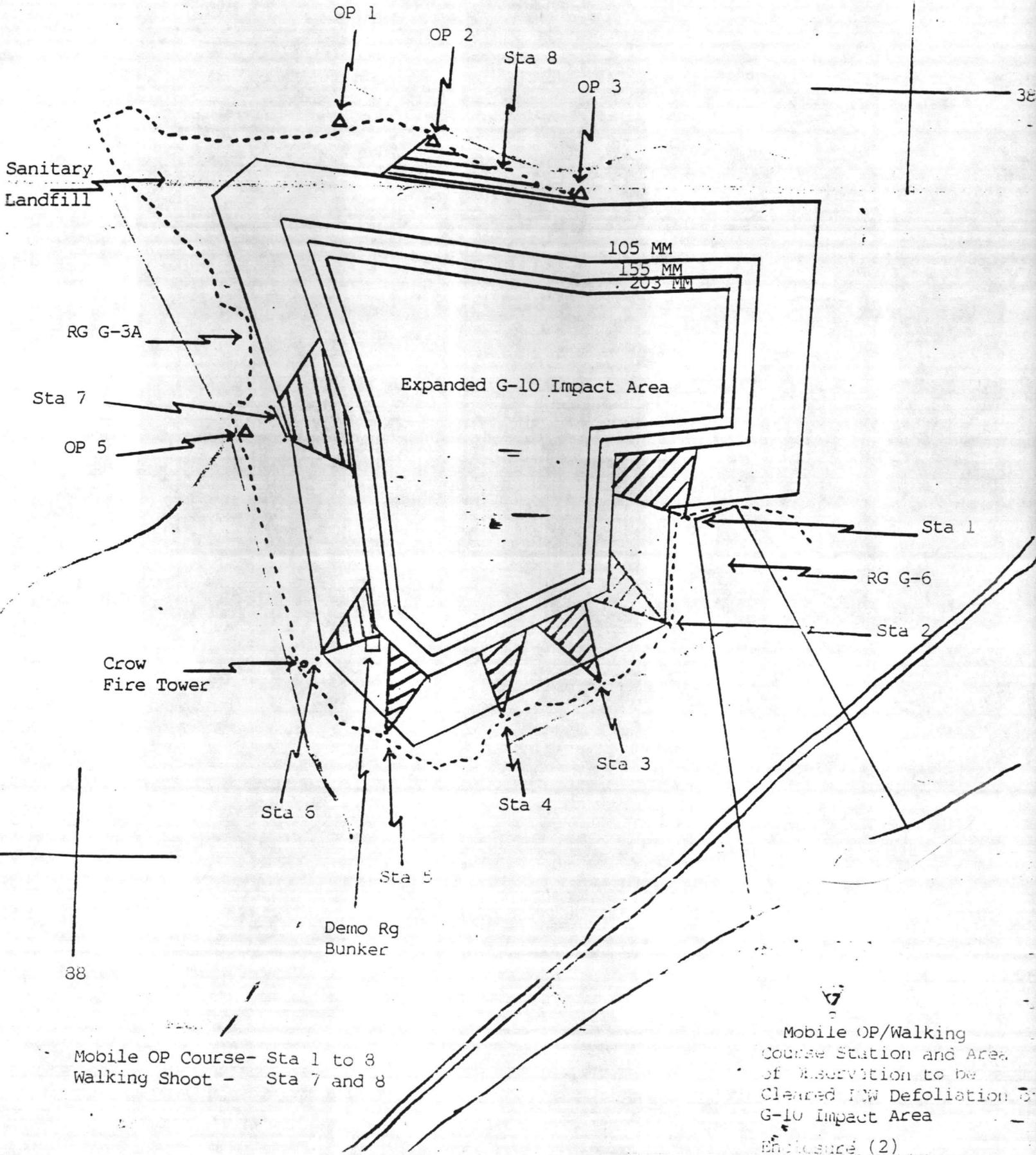


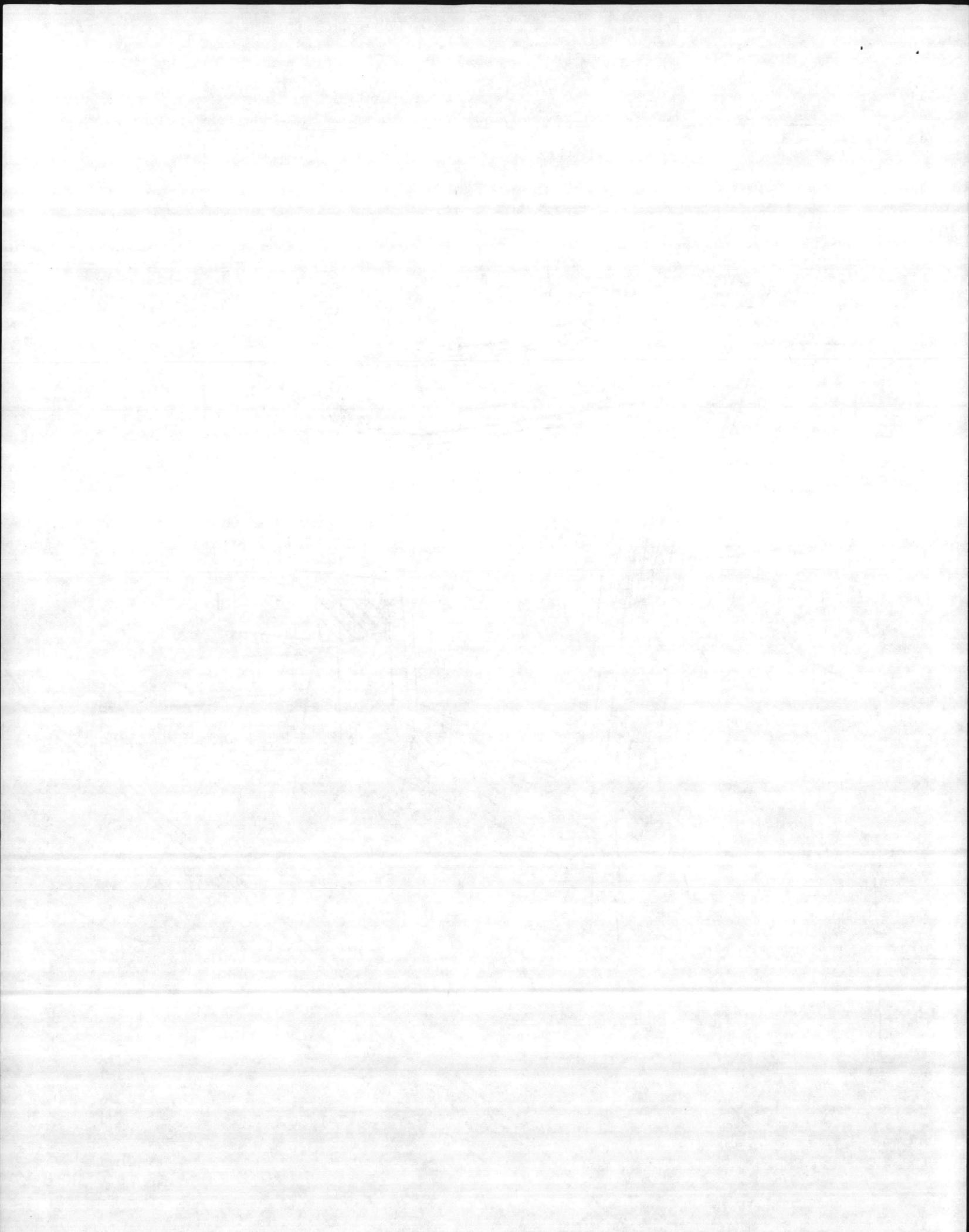


MOBILE OP CIRCUIT COURSE FOR AAV/LAV/TANKS AND WALKING COURSE STATIONS

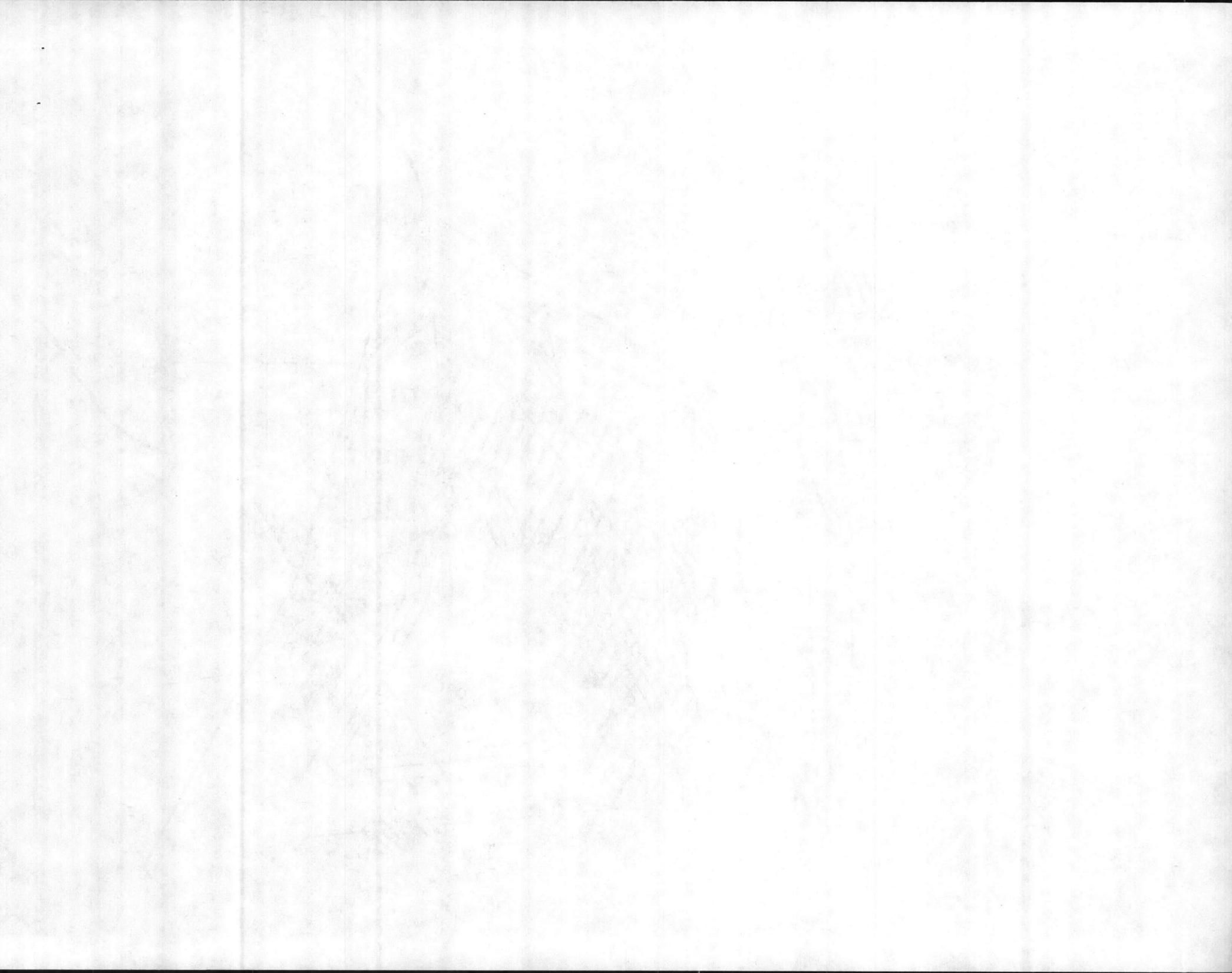
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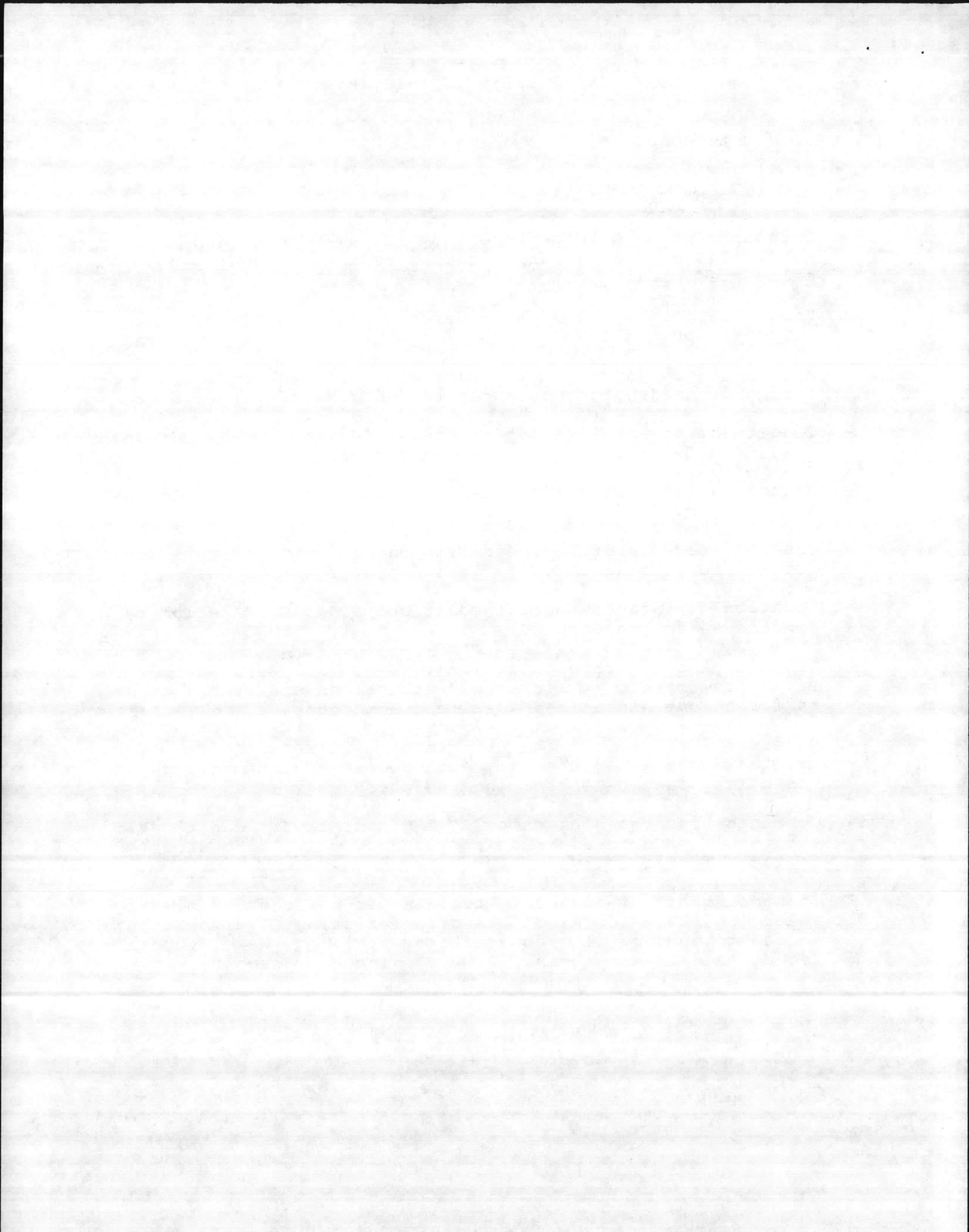
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PROPOSED ENLARGEMENT OF G-10 IMPACT AREA

I. Factors to consider

- Personnel safety during artillery firing is a major concern driving the expansion.
- Encroachment on G-10 periphery by maneuver units and activities on firing ranges causes reduction by arty units of calculated boundary of target area.
- Firing certain types of arty ammunition (i.e., ICM) is currently prohibited due to inadequate size of impact area.
- Alignment of long axis of impact area with the direction of firing is needed to reduce restricted size of target area.
- Concurrent use of live firing ranges located on the periphery (G-3, G-3A, G-6) must be retained during arty firing into G-10.
- Relocated "F" ranges must also be compatible with use of G-10 as enlarged.
- Unrestricted use of Engineer Demo range vic TLZ Crow must be assured for firing line charge and cratering charges.
- Location of infantry mortar positions along G-10 periphery remains a requirement.
- Long-range arty trajectories in <sup>most</sup> to G-10 from GP's west of New River are impeded by airspace restrictions and prohibitions on firing over inhabited areas and ammo dump.
- Maneuver warfare doctrine using mobile FO's in AAV's, LAV's and tanks can't be currently employed at MCB due to lack of visibility into G-10 from the periphery.
- Combined arms training using FO's with infantry can't be employed at MCB to dismount and conduct a "walking shoot" due to lack of visibility.
- The amount of off-base arty training <sup>of new GP's and improvements to</sup> is not reduced by only enlarging the G-10 IA; construction <sup>existing GP's</sup> would be needed to conduct all required arty training <sup>here</sup> ~~there~~, such as Regimental Firex's (using 27 GP's), vice Ft. Bragg.

\*  
Draft Comments from meeting b/w Range Control O,  
EOD O, 10th Mar Reg'l Safety O, & Engr Engr, 4 Feb 86.



PROPOSED ENLARGEMENT OF G-10 IMPACT AREA (c'd)

I. Factors to consider (c'd)

- "Shoot-and-Scoot" arty training is not affected by the size of IA.
- MLRS (~~next~~ <sup>inert</sup> round) can't be fired here now because of small size of impact area (requires 7-8km-wide IA).
- Existing roads are adequate for target emplacement & maintenance.
- Obtaining visibility in some portions which can't be mechanically cleared may require use of chemical defoilants.

II. Environmental Issues Associated with Proposed Enlargement

- 1) Blast Noise: increased levels require documenting before-and after-levels affecting both on-base and off-base properties.
- 2) Endangered Species/Red-cockaded Woodpecker:
  - requires consultation with USFWS
  - addresses newly-found colony vic G-4
  - addresses impacts of clearing on existing colonies
  - uses data from 1985/86 population study
- 3) Wetlands
  - assumes minimal drainage improvements for area *requiring* maintenance by prescribed burning
  - uses data mapped by US Fish & Wildlife Service
  - clearing (and drainage improvements, if any) requires approval by USCOEngrs.
- 4) Forest Management: *of*
  - requires mapping <sup>of</sup> areas to be harvested/cleared
  - needs estimate of volume of marketable timber affected
  - estimated long-term loss of revenue due to conversion to IA
  - *needs estimated schedule of harvesting program*
- 5) Wildlife Management:
  - define impact on Black Bear population
- 6) Coastal Management:
  - increased runoff into Freeman's Creek due to land clearing *should be addressed*
- 7) Arch/Historical Sites:
  - no known sites of significance



PROPOSED ENLARGEMENT OF G-10 IMPACT AREA

III. National Environmental Policy Act/MCO 11000.8B

- require Environmental Assessment (EA) for submission to the HQMC EIS Board *per MCO*
- recommend request LANTDIV develop EA





UNITED STATES MARINE CORPS  
2d Marine Division, Fleet Marine Force  
Camp Lejeune, North Carolina 28542-5500

IN REPLY REFER TO

11000

G-4 ENGR

25 MAR 1986

From: Commanding General, 2d Marine Division, FMF  
To: Commanding General, Marine Corps Base, Camp Lejeune, North Carolina (Attn: AC/S Facilities Officer)

Subj: DETAILED CONCEPT PLANS FOR THE MECHANIZED MANEUVER COURSE

Ref: (a) CG 2d Mar Div ltr 11000, G-3 ENGR of 28 Jan 86  
(b) CG MCB ltr 5420/2 FAC of 11 Feb 86  
(c) Mtg btwn Div Engr; AC/S G-3T, 2d Mar Div; AC/S FacO and AC/S Trng/OPS, MCB, 13 Mar 86

Encl: (1) Map of Proposed Mechanized Maneuver Course

1. Reference (a) was a preliminary environmental assessment (PEA) on the subject course. Reference (b) requested a detailed concept plan for review by the next PEA Board. The plan is contained herein.

2. Overall Concept. The overall concept and description for the course is outlined in reference (a). Significantly, the course would provide the opportunity for Division units to fulfill much needed mechanized training which will enhance combat readiness. As proposed, the project would maximize the use of potential maneuver area real estate on the east side of the New River. The course is this command's highest priority project for FY-86/87. It is envisioned that the entire project would take 18-24 months and would principally involve the below activities:

- Detailed Environmental Assessment:
  - Wetlands and Marshes
  - Endangered Species
  - Sediment Control
  - Archeological
- Construct 5 additional tank crossing pads
- Construct approximately 4 miles of new tank trails (with log post borders within woodpecker habitats)
- Prepare three bridge sites for standard (tactical) bridging
- Prepare three new gun sites
- Improve five splash points for AAV, LAV and float bridging
- Construct a Soviet strong point (company (+) )

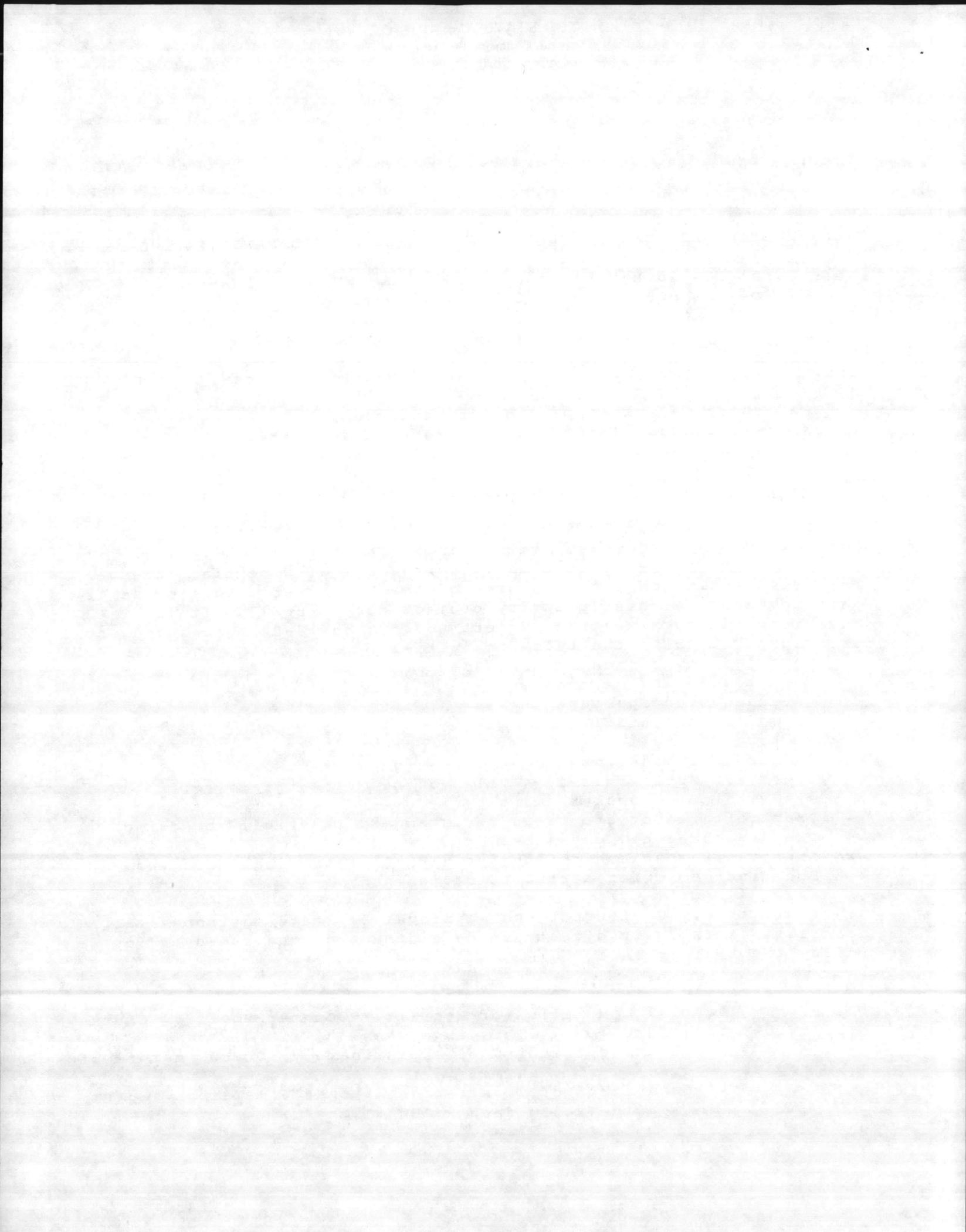
3. Time Table. Contingent upon approval by State environmental agencies, it is desired that the development of the maneuver course follow the below plan:

a. Phase I (1 Jun 1986 - 1 Jan 1987)

1. Partial completion of Mobility/Counter Mobility Course, i.e., (20%) by 1 June 1986. This involves:

- Clearing/thinning of approximately 100x800 meters of the proposed course
- Excavation of 3 anti-tank ditches 5 meters (m) wide x 3 m deep x 100 m long

Encl (2)



2. Timber harvesting of 25-30% of identified areas within the battle area. Priority of effort starts at Soviet strong point working Southward.

3. Completion of 2 bridge sites

-- 875273

-- 862284

4. Completion of tank trail from 872268 to 881281

5. Prepare 2 new gun sites

-- 877294

-- 843320

6. Complete 25% of the Soviet strong point

b. Phase II (1 Jan 1987 - 1 July 1987)

1. Construct 3 tank crossing pads

-- 881281

-- 856290

-- 838305

2. Complete 50-75% of timber harvest

3. Complete new tank trail from 881281 to 867304

4. Complete bridge site 867328

5. Prepare 1 new gun site

-- 846330

6. Prepare 1 new splash point at 824312

7. Complete 75% of Soviet strong point

c. Phase III (1 July 1987 - 1 January 1988)

1. Construct 2 tank crossing pads

-- 845293

-- 865316

2. Complete 75-100% of timber harvest

3. Complete tank trail from 865316 to 866332

4. Prepare 3 new splash points

-- 828315

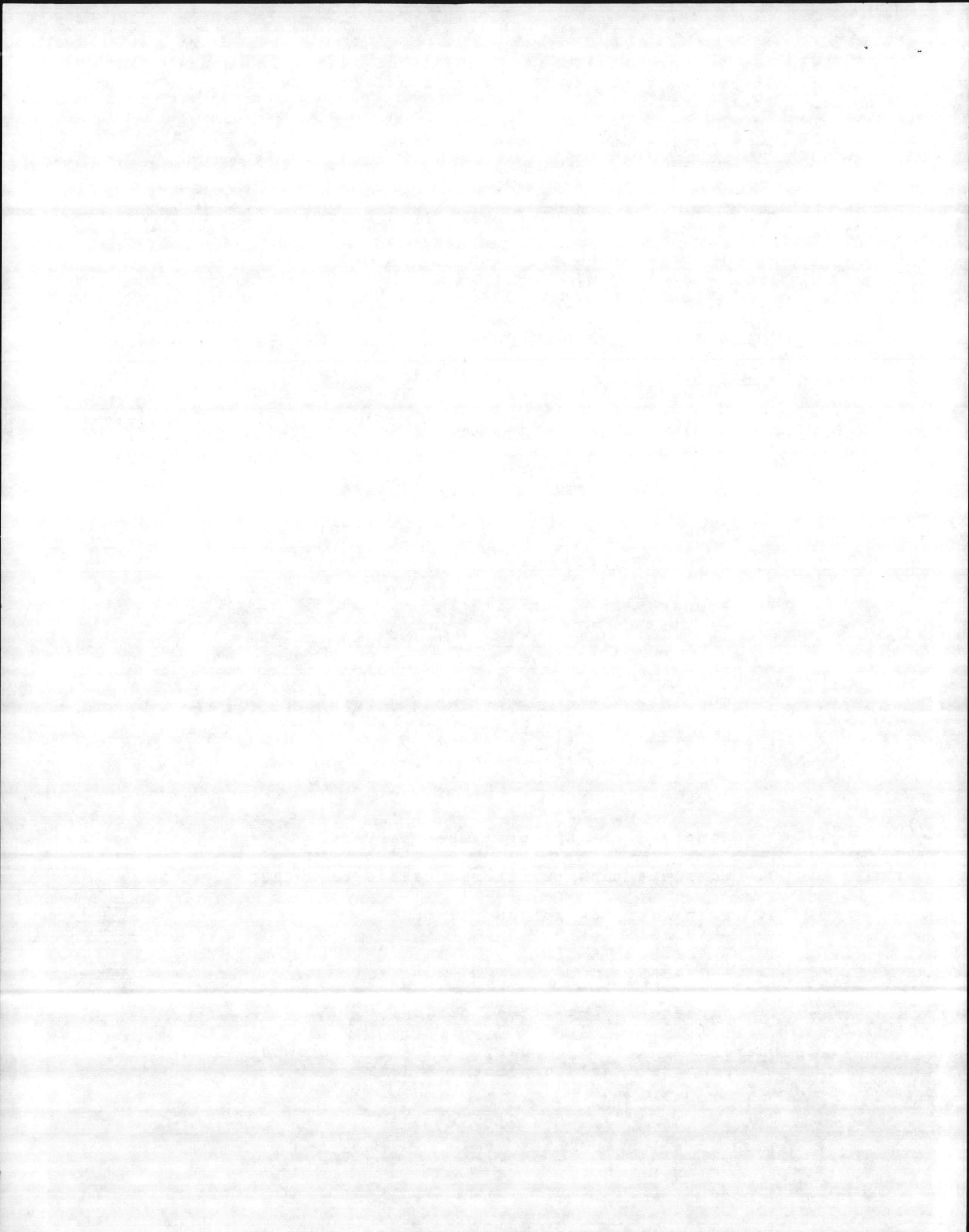
-- 836327

-- 843336

5. Complete Soviet strong point

d. Phase IV (1 January 1988 - 30 September 1988)

1. Prepare 1 splash point @ 843343

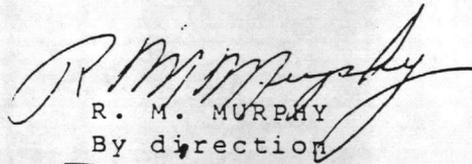


4. Environmental Assessment (EA). Reference C noted a potential delay of 4-6 months in accomplishing the EA. This command is prepared to assist in the completion of an EA in whatever capacity that will expedite the process. It is our intention as well as yours to meet the project goals and milestones.

5. Construction Plan. All construction, with the possible exception of the tank crossing pads, can be accomplished by troop training (active or reserve USMC or USN engineer units). The feasibility of Seabee units constructing the tank crossing pads will be explored with the FMFLant engineer by this command.

6. Funding. At the present time it appears that the principal source of funding will be minor construction funds. However, additional funding should be sought from higher headquarters such as FMFLant or CMC because of the training enhancements gained for current and planned mobility and firepower systems.

7. Points of contact at this headquarters are LtCol J. A. Marapoti, Division Engineer, extension 2302, for facilities and engineering issues and LtCol G. Humble, Division Training Officer, extension 3026.

  
R. M. MURPHY  
By direction

Copy to:

AC/S, G-3  
CO, 10th Mar  
CO, 2d AAV Bn  
CO, 2d LAV Bn  
CO, 2d CEB Bn

